Ham-Space Digest   Thu, 14 Jul 94   Volume 94 : Issue 188

Today's Topics:
                        * SpaceNews 11-Jul-94 *
                   Apollo 11 Anniversary (2 msgs)
                        KLM vs. M2 antennas
                   SAREX Status 7/11 at 2:30 UTC

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 8 Jul 1994 09:25:15 MDT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu
Subject: * SpaceNews 11-Jul-94 *
To: ham-space@ucsd.edu

SB NEWS @ AMSAT $SPC0711
* SpaceNews 11-Jul-94 *

BID: $SPC0711

                            =========
                            SpaceNews
                            =========

                        MONDAY JULY 11, 1994

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is
published every week and is made available for unlimited distribution.

* UNAMSAT-1 NEWS *
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David Liberman, XE1TU, reports that the UNAMSAT-1 spacecraft has not yet
been launched. A postponment was announced through official correspondence
from the Russian Space Agency just a few days before project officials had
to depart for Russia, and no statement regarding the length of the delay
was mentioned. It has now become apparent that the civil and military
crew involved in the launch of UNAMSAT-1 are on summer vacation, possibly
delaying the launch until September.

In the mean time, project officials are experimenting with the satellite on
the ground, making small adjustments, and testing the satellite for all
possible situations. Through this experimentation, a problem with the
fire code not resetting the CPU was discovered. All the operating software
has been loaded on the satellite and is running well. The BBS is being
used by local amateurs with microsat ground stations.

[Info via David, XE1TU of the UNAMSAT-1 Team]

* AO-13 ATTITUDE CHANGE *
=========================
The AMSAT-OSCAR-13 satellite has undergone a recent attitude change. The
following message issued by spacecraft controller G3RUH explains some of
the details:

L QST de G3RUH 1994 Jul 05. Magnetorquing from attitude 243/+5 to 180/0
commences on Jul 07 [Thu] 0510 utc, orbit 4642/224, and continues for 10+
perigees. Estimated interim attitudes are: Orbit Alon/Alat: 4643 235/+4:
4645 221/-2: 4647 211/-10: 4649 205/-10: 4651 193/-12: 4653 181/-13, then
a final adjustment. For command purposes during this 4-day period mode-S
beacon is ON MA 140-150, i.e. mode-B OFF for 26 mins. The new schedule
will start orbit 4651 MA 150 Jul 11 [Mon] 0851 utc. 73 James.

Magnetorquing (attitude changing) is not an exact science, and minor
deviations from the above plan sometimes occurs.

Please don't rely on gossip and rumour! Continuous up to date information
about AO-13 operations is always available on the beacons, 145.812 MHz or
2400.664 MHz in CW, RTTY and 400 bps PSK. These bulletins are also posted
to Internet, ANS, Packet, PacSats etc., and many international newsletters.
A 400 bps PSK decoder is available from G3RUH and several DSP products;

display software P3C.EXE etc. from many AMSAT groups.

The active command stations are listed below, and constructive feedback
about operations is always welcome.

   Peter   DB2OS @ DB0FAU.#NDS.DEU.EU
   James   G3RUH @ GB7DDX.#22.GBR.EU
   Graham   VK5AGR @ VK5WI.#ADL.#SA.AUS.OC

The above may also be reached via Internet (callsign@amsat.org) and KO-23.
Please remember to state clearly a return address.

[Info via James Miller, G3RUH @ GB7DDX.#22.GBR.EU]

* LUSAT-OSCAR-19 NEWS *
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The LUSAT-OSCAR-19 satellite continues to operate without its file server
running. The following beacon was received from LO-19 by KD2BD in New
Jersey last week:

LUSAT-1>AMARG <UI>:

May 21.

OBC crashed on May 17 at +/- 2:45 utc, lat 45s, lon 43 w.
Only digipeater is available.

LU8DYF, LO-19 command station.

Although the file server is not available, the satellite does function as
a digipeater, and other ground stations can be connected to via LUSAT-1.

* DOVE DECODER AVAILABLE *
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A DOVE-OSCAR-17 satellite telemetry decoding program for the MS-DOS
operating system has been created by KD2BD and is now available via
anonymous FTP at pilot.njin.net. The program has been compressed into
a file called "duvdec10.zip", and is located in the /pub/SpaceNews/software
sub-directory at pilot.njin.net.

The program will read and interpret ASCII telemetry transmissions made by
DOVE-OSCAR-17 and generate reports based on that data. The software is
free and is intended for non-commercial use.

* THANKS! *

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Thanks to all those who sent messages of appreciation to SpaceNews,
especially:

    GM1SXX     N2SMT     N2WYU     VU3KNA     ZR6AIU     N8BMA     Jay Respler


* FEEDBACK/INPUT WELCOMED *
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Mail to SpaceNews should be directed to the editor (John, KD2BD) via any
of the following paths:

FAX      : 1-908-747-7107
PACKET   : KD2BD @ N2KZH.NJ.USA.NA
INTERNET : kd2bd@ka2qhd.de.com -or- kd2bd@amsat.org

MAIL     : John A. Magliacane, KD2BD
           Department of Engineering and Technology
           Advanced Technology Center
           Brookdale Community College
           Lincroft, New Jersey  07738
           U.S.A.


      <<=- SpaceNews: The first amateur newsletter read in space! -=>>


/EX

--
John A. Magliacane, KD2BD   * /\/\ * Voice   : 1-908-224-2948
Advanced Technology Center  |/\/\/\| Packet  : KD2BD @ N2KZH.NJ.USA.NA
Brookdale Community College |\/\/\/| Internet: magliaco@pilot.njin.net
Lincroft, NJ  07738         * \/\/ * Morse   : -.-  -..  ..---  -...  -..

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Date: 13 Jul 1994 14:24:17 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!
newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!wizard.uark.edu!comp!plaws@network.ucsd.edu
Subject: Apollo 11 Anniversary
To: ham-space@ucsd.edu

n4zr@netcom.com (Peter G. Smith) writes:

>Apollo 11 25th Anniversary Amateur Radio Special Event Station Activity

>At 1627 EDT, Sunday afternoon, July 20, 1969, astronaut Neil A. Armstrong
>spoke the words "Houston, Tranquility Base here.  The Eagle has landed."
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>At 2256 EDT, later the same day,  Armstrong stepped down from the ladder
>of the Lunar Module onto the Moon's surface and spoke the words, "That's
>one small step for a man, one giant leap for mankind."
                        ^

Historical revisionist!  He omitted the 'a' in his excitement ...


Peter Laws <plaws@comp.uark.edu>  |"Let's make sure history never forgets the
n5uwy@ka5bml.#nwar.ar.usa.noam    | name ... Enterprise"   ST:TNG - 1987-1994


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Date: Wed, 13 Jul 1994 15:55:00 GMT
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!llyene!NewsWatcher!
user@network.ucsd.edu
Subject: Apollo 11 Anniversary
To: ham-space@ucsd.edu

In article <300teh$1g3@wizard.uark.edu>, plaws@comp..uark.edu (Peter Laws)
wrote:

> Historical revisionist!  He omitted the 'a' in his excitement ...

Peter, Armstrong maintains that he said 'a' and that it was lost in the
noise of the transmission. Listening to the tape, how will we ever know?

--
Gregory R. LaBorde
laborde@kilroy.jpl.nasa.gov
(818) 393-1107
Amateur Call: KD6MSM

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Date: 13 Jul 1994 13:30:15 -0400
From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!howland.reston.ans.net!
news.intercon.com!news1.digex.net!access3!ericr@network.ucsd.edu
Subject: KLM vs. M2 antennas
To: ham-space@ucsd.edu

M2 makes a long 2 meter antenna that is, IMHO, far superior to the KLM -22C.
Designed by the smae person, Mike Staal (K6MYC) years later, the M2
antenna is more robust in construction.

Eric

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Date: Sun, 10 Jul 1994 20:39:52 -0600
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu
Subject: SAREX Status 7/11 at 2:30 UTC
To: ham-space@ucsd.edu

SB SAREX @ AMSAT $STS-65.003
SAREX Status 7/11 at 2:30 UTC

Silver Spring, MD, July 11 1994 at 2:30 UTC

The Shuttle Amateur Radio Experiment (SAREX) packet robot was activated
today. Several stationsmade packet connects immediately after activation.
At present, at least 84 packet connects have been confirmed. The SAREX
packet callsign is W5RRR-1. The uplink frequency is 144.49 MHz and the
downlink is 145.55 MHz.

At 2/1:33 MET (18:16 UTC) the Sacred Hearts Academy in Honolulu, Hawaii
had a 4 minute school group pass with the Space Shuttle Columbia.
8 students talked to STS-65 Mission Commander Bob Cabana, KC5HBV.

The official element set for today is JSC-006. This element set was
provided courtesy of Gil Carman, WA5NOM, from the JSC ARC.

STS-65
1 23173U 94105A   94191.62949203 .00064328 00000-0 21757-3 0   61
2 23173 28.4654 353.2447 0002401 329.9288 30.1191 15.90390986   323

Satellite: STS-65
Catalog number: 23173
Epoch time: 94191.62949203   =   (10 JUL 94   15:06:28.11 UTC)
Element set: 006
Inclination: 28.4654 deg
RA of node: 353.2447 deg   Space Shuttle Flight STS-65
Eccentricity: .0002401   Keplerian element set JSC-006
Arg of perigee: 329.9288 deg   from NASA flight Day 3 vector
Mean anomaly: 30.1191 deg
Mean motion: 15.90390986 rev/day   G. L. Carman
Decay rate: 6.4328e-04 rev/day^2   NASA Johnson Space Center
Epoch rev: 32
Checksum: 298

Submitted by Frank H. Bauer, KA3HDO, for the SAREX Working Group

/EX

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Date: Wed, 13 Jul 1994 16:31:15 GMT
From: telesoft!garym@uunet.uu.net
To: ham-space@ucsd.edu

References <STS-65.94189.746@alsys.com>, <STS-65.94192.570@alsys.com>,
<STS-65.94193.260@alsys.com>
Reply-To : elements-request@alsys.com
Subject : STS-65 Element Set (94194.264)

STS-65
1 23173U 94039A   94194.26468156 +.00002000  00000-0  45889-5 0   190
2 23173  28.4706 333.5548 0002880 354.7026   5.3555 15.90536698   747

Satellite: STS-65
Catalog number: 23173
Epoch time:      94194.26468156        (13 JUL 94   06:21:08.49 UTC)
Element set:     GSFC-019
Inclination:       28.4706 deg
RA of node:       333.5548 deg         Space Shuttle Flight STS-65
Eccentricity:    0.0002880                  Keplerian Elements
Arg of perigee:  354.7026 deg
Mean anomaly:      5.3555 deg
Mean motion:    15.90536698 rev/day    Semi-major Axis: 6678.9122 Km
Decay rate:       0.20E-04 rev/day*2   Apogee  Alt:       302.45 Km
Epoch rev:             74              Perigee Alt:       298.60 Km

(for Shuttle Elements subscription info, email: listserv@alsys.com)


--
Gary Morris          Internet: elements-request@alsys.com
KK6YB                Packet:   KK6YB @ N0ARY.#NOCAL.CA.USA.NA
San Diego, CA, USA   Phone:    +1 619-457-2700 x128
--
Gary Morris            Internet: garym@alsys.com  (garym@cts.com)
Alsys Inc.             Packet:   KK6YB @ N0ARY.#NOCAL.CA.USA.NA
San Diego, CA, USA     Phone:    +1 619-457-2700 x128 (voice/fax)


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Date: 13 Jul 1994 18:00:50 GMT
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!sookit!
rspear@network.ucsd.edu
To: ham-space@ucsd.edu

References <n4zrCsnHsA.B3v@netcom.com>, <300teh$1g3@wizard.uark.edu>,
<laborde-130794085500@128.149.100.84>
```

Reply-To : rspear@sookit.jpl.nasa.gov
Subject : Re: Apollo 11 Anniversary

Gregory R. LaBorde (laborde@kilroy.jpl.nasa.gov) wrote:
: In article <300teh$1g3@wizard.uark.edu>, plaws@comp..uark.edu (Peter Laws)
: wrote:

: > Historical revisionist! He omitted the 'a' in his excitement ...

: Peter, Armstrong maintains that he said 'a' and that it was lost in the
: noise of the transmission. Listening to the tape, how will we ever know?

: --
: Gregory R. LaBorde
: laborde@kilroy.jpl.nasa.gov
: (818) 393-1107
: Amateur Call: KD6MSM

hmmm greg, i thought he blamed the vox for losing the "a" ...

regards, richard

rspear@sookit.jpl.nasa.gov
all disclaimers apply

End of Ham-Space Digest V94 #188
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